

Name: _____ Date: _____

Biology

Darwin's Finches Formal Lab Report

Directions: Fill in all sections to complete the lab worksheet.

TITLE	<ul style="list-style-type: none">• Create a title of the experiment.• Include name and/or student ID.																									
PURPOSE	<p>In this section, you will write a brief paragraph stating the purpose and objective of this experiment.</p> <ul style="list-style-type: none">• Be sure to answer the following questions: What is the purpose of your experiment? What question are you trying to answer? Why are you doing it? What is the information you want to know?																									
MATERIALS	<p>This section should list all the materials needed throughout the experiment.</p> <ul style="list-style-type: none">• Make sure to indicate the types, brands, and/or amounts of all materials you used.																									
HYPOTHESIS	<p>In this section, you will provide a fully-supported hypothetical statement about each modeled beak type. State which item of food each tool will be best suited for picking up.</p>																									
DATA RESULTS - TABLE	Complete the following chart with your observations.																									
	<table border="1"><thead><tr><th></th><th>Food Type 1</th><th>Food Type 2</th><th>Food Type 3</th><th>Food Type 4</th></tr></thead><tbody><tr><td>Beak 1</td><td></td><td></td><td></td><td></td></tr><tr><td>Beak 2</td><td></td><td></td><td></td><td></td></tr><tr><td>Beak 3</td><td></td><td></td><td></td><td></td></tr><tr><td>Beak 4</td><td></td><td></td><td></td><td></td></tr></tbody></table>		Food Type 1	Food Type 2	Food Type 3	Food Type 4	Beak 1					Beak 2					Beak 3					Beak 4				
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CONCLUSIONS	In this section, you will come to some conclusions about what your data observations and results represent. You will analyze collected data along with data tables that you created to come to a conclusion and, also, to answer the following questions.
	<ol style="list-style-type: none"><li data-bbox="415 583 1154 657">1. Which beak type picked up which food the best? (i.e. Beak 1 picked up _____ the best.)<li data-bbox="415 783 1442 846">2. In an environment with only Food Type 1, which beak type would cause a finch to starve?<li data-bbox="415 972 1446 1035">3. In an environment with only Food Type 2, which beak type would cause a finch to starve?<li data-bbox="415 1161 1446 1224">4. In an environment with only Food Type 3, which beak type would cause a finch to starve?<li data-bbox="415 1350 1446 1413">5. In an environment with only Food Type 4, which beak type would cause a finch to starve?<li data-bbox="415 1539 1336 1602">6. Which beak had an advantage over all other beaks in any given environment?<li data-bbox="415 1728 1446 1791">7. Write a conclusion in which you discuss what this activity reveals about the beaks of birds, what kinds of food they eat, and adaptation.